

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An air conditioning unit ~~for a vehicle~~, comprising:
an air conditioning casing ~~having flow paths therein formed with an inlet and an outlet;~~
~~a fan unit configured to make an air flow from the inlet to the outlet in the air conditioning casing;~~
an evaporator arranged in the air conditioning casing and having substantially a U-shape;
[[an]] ~~a U-shaped outer air~~ flow path provided on an outer side of the U-shaped evaporator ~~in the air conditioning casing, and provided~~ on one of an upstream and downstream sides of [[an]] ~~the air flow~~ [[of]] ~~from~~ the U-shaped evaporator;
an inner flow path provided on an inner side of the U-shaped evaporator on one of the downstream and upstream sides of the air flow [[of]] ~~from~~ the U-shaped evaporator; and
a heater core arranged on the downstream side of the air flow [[of]] ~~from~~ the U-shaped evaporator.

2. (Original) The air conditioning unit of claim 1, wherein:
the U-shaped evaporator is formed of a plurality of evaporators.

3. (Currently amended) The air conditioning unit of claim [[2]] 1, wherein:
the U-shaped evaporator is formed of a center evaporator and side evaporators arranged on each side of the center evaporator.

4. (Currently amended) The air conditioning unit of claim 3, wherein:
the ~~U-shaped outer air~~ flow path is on the upstream side of the air flow of the U-shaped evaporator and the inner ~~air~~ flow path is on the downstream side of the air flow [[of]] ~~from~~ the U-shaped evaporator; and
the heater core is arranged to face the center evaporator.

5. (Original) The air conditioning unit of claim 4, wherein:
the heater core is arranged in a space defined on the inner side of the U-shaped evaporator.

6. (Original) The air conditioning unit of claim 5, wherein:
the heater core is inclined relative to the center evaporator of the U-shaped evaporator and is arranged to face the center evaporator.

7. (Original) The air conditioning unit of claim 6, wherein:
the U-shaped evaporator is arranged in an upright posture and the heater core is inclined relative to the center evaporator and is arranged to face the center evaporator.

8. (Withdrawn-Currently amended) The air conditioning unit of claim 4, further comprising:

a center space provided between the center evaporator and the heater core, configured to merge air flowing in the inner air flow path so that the merged air in the center space may be entirely passed through the heater core.

9. (Currently amended) The air conditioning unit of claim 4, further comprising:
a center space provided between the center evaporator and the heater core, configured to merge air flowing in the inner air flow path and pass the merged air through the heater core;

a bypass configured to guide part of the air in the center space toward a downstream space behind the heater core by bypassing the heater core; and

a bypass door arranged in the bypass, configured to open and close the bypass.

10. (Withdrawn-Currently amended) The air conditioning unit of claim 4, further comprising:

a bypass formed for an inner air flow path provided for each of the side evaporators, configured to directly guide at least part of the air passed through the side evaporators into a downstream space behind the heater core by bypassing the heater core; and

a bypass door arranged in the bypass, configured to open and close the bypass.

11. (Currently amended) The air conditioning unit of claim 9, further comprising:
an air mixing space provided on the downstream side [[of]] from the heater core,
configured to mix air passed through the bypass with air passed through the heater core.

12. (Withdrawn-Currently amended) The air conditioning unit of claim 10,
further comprising:

an air mixing space provided on the downstream side [[of]] from the heater core,
configured to mix air passed through the bypasses with air passed through the heater core.

13. (Currently amended) The air conditioning unit of claim 5, wherein the U-shaped outer air flow path ~~provided on the outer side of the evaporator~~ is a U-shaped space ~~comprising~~ comprises a center path provided on the outer side of the center evaporator and first and second side paths provided on the outer sides of the side evaporators, respectively, the air conditioning unit further comprising:

an air inlet formed on the air conditioning casing at a corner between ~~where~~ the center path ~~connects to and~~ the first side path, configured to guide air in a straight extending direction of the center path.

14. (Withdrawn) The air conditioning unit of claim 13, further comprising:
a path contraction formed at a connection between the air inlet and the center path, configured to increase air distribution to the first side path.

15. (Original) The air conditioning unit of claim 13, wherein:
the first and second side paths are tapered so as to become narrower toward front ends thereof.

16. (Withdrawn) The air conditioning unit of claim 13, further comprising:
a corner path curved along a corner ~~between~~ the center path and the second side path, the corner path being curved by rounding an outer wall of the corner path.

17. (Withdrawn) The air conditioning unit of claim 13, further comprising:
a smoother arranged at each intersection between the center evaporator and the side
evaporators, configured to smooth an air flow.

18. (Currently amended) ~~The air conditioning unit of claim 13~~ The vehicle of
claim 20, wherein:

~~the air conditioning unit is arranged at a widthwise center of the vehicle in an instrument panel in front of a front seat of the vehicle so that an opening of the U-shaped evaporator and the heater core are oriented to the rear of the vehicle, and so that the air inlet is oriented in a widthwise direction of the vehicle.~~

19. (Currently amended) A vehicle comprising:
[[An]] an air conditioning system including for a vehicle, comprising an air
conditioning unit and a fan unit configure to supply air flow to the air conditioning unit,
the air conditioning unit including:
an air conditioning casing having air flow paths therein, an inlet and an outlet formed
thereon;

an evaporator arranged in the air conditioning casing and having substantially a U-
shape;

[[an]] a U-shaped outer air flow path formed between the U-shaped evaporator and the
air conditioning casing along the U-shaped evaporator, the outer air flow path having a center
path and first and second side paths and a substantially U-shape, and being upstream from the
U-shaped evaporator in an air flow direction;

an inner air flow path provided on the inner side of the U-shaped evaporator
downstream from the U-shaped evaporator in the air flow direction; and

a heater core arranged downstream from the U-shaped evaporator in the air flow
direction[[; and]]

~~an air inlet provided for the air conditioning casing at a corner between the center path~~
~~of the outer flow path and the first side path of the outer flow path, configured to guide air in~~
~~a straight extending direction of the center path,~~

~~the U-shaped evaporator being arranged to open toward a rear of the vehicle, the air inlet being oriented in a widthwise direction of the vehicle, the air conditioning unit and the fan unit being arranged side by side in the widthwise direction of the vehicle.~~

20. (Currently amended) ~~The air conditioning system~~ The vehicle of claim 19, wherein:

the air conditioning unit is arranged at a widthwise center of the vehicle in an instrument panel in front of a front seat of the vehicle, and the fan unit is arranged beside the air conditioning unit in the widthwise direction of the vehicle.

21. (New) The vehicle of claim 19, wherein:

the U-shape outer air flow path has a center path and first and second side paths so as to be in a substantially U-shape.

22. (New) The vehicle of claim 21, wherein:

the air inlet provided for the air conditioning casing at a corner between the center path of the outer air flow path and the first side path of the outer air flow path, the air inlet configured to guide air in a straight extending direction of the center path.

23. (New) The vehicle of claim 19, wherein:

the U-shaped evaporator being arranged to open toward a rear of the vehicle, the air inlet being oriented in a widthwise direction of the vehicle, the air conditioning unit and the fan unit being arranged side by side in the widthwise direction of the vehicle.

24. (New) An air conditioning unit, comprising:

an air conditioning casing formed with an inlet and an outlet, the air conditioning casing allowing an air to flow in the air conditioning casing from the inlet to the outlet;

an evaporator arranged in the air conditioning casing and having substantially a U-shape;

a U-Shaped outer air flow path provided on an outer side of the U-shaped evaporator in the air conditioning casing;

an inner air flow path provided on an inner side of the U-shaped evaporator in the air conditioning casing; and

a heater core arranged in the air conditioning casing.